

STATUS TABLE ST

NODE	LINK	STATUS
A	AB AC	Y Y
B	BA BC BE	Y Y Y
C	CA CB CD	Y Y Y
D	DC DE DE	Y Y Y
E	EB ED EF	Y Y Y
F	FD FE FI	Y Y Y
G	GE GH	Y Y
H	HE HC	Y Y
I	IF IH	Y Y

]-RSP

]-RSP-E

]-RSP-G

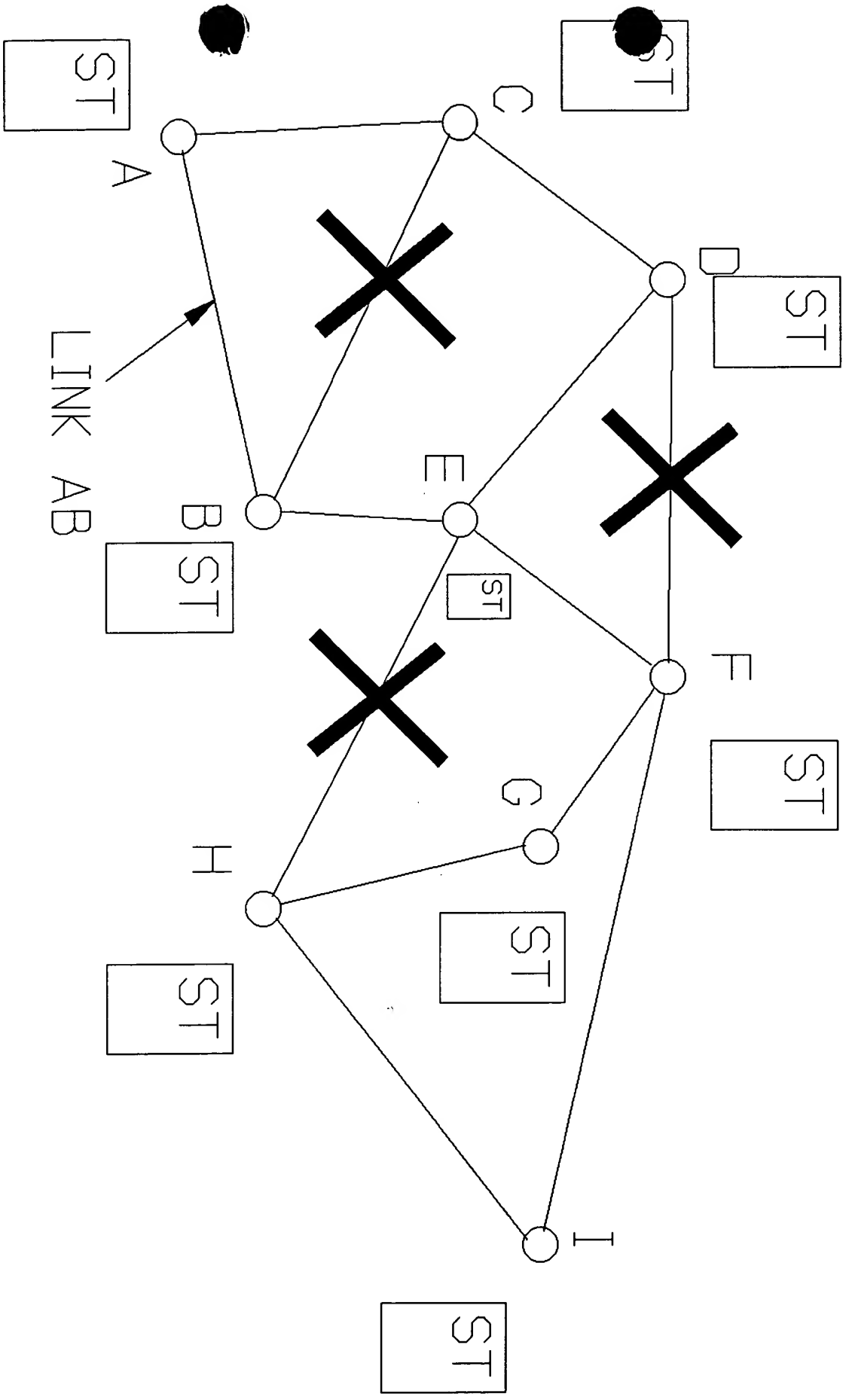
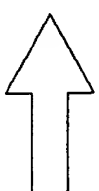
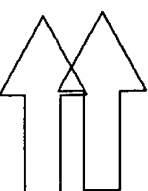
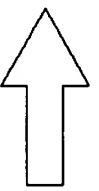
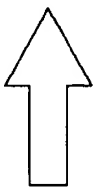
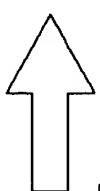


FIG. 3 is a block diagram of a network system in accordance with the present invention. The system includes a plurality of nodes (A, B, C, D, E, F, G, H, I) and a central control unit (ST). The nodes are interconnected by a network of links (A-B, B-C, C-D, D-E, E-F, F-G, G-H, H-I). The central control unit (ST) is connected to each of the nodes (A, B, C, D, E, F, G, H, I). The network system is configured to provide a secure communication path between the nodes and the central control unit.

FIG 3

FLAG	NODE	LINK	STATUS
	A	AB AC	Y
	B	BA BC BE	Y N Y
	C	CA CB CD	Y N Y
	D	DC DE DF	Y Y N
	E	EB ED EF EH	Y Y Y N
	F	FD FE FG FI	N Y Y Y
	G	GF GH	Y Y
	H	HE HG HI	N Y Y
	I	IF	Y

STATUS
TABLE
ST



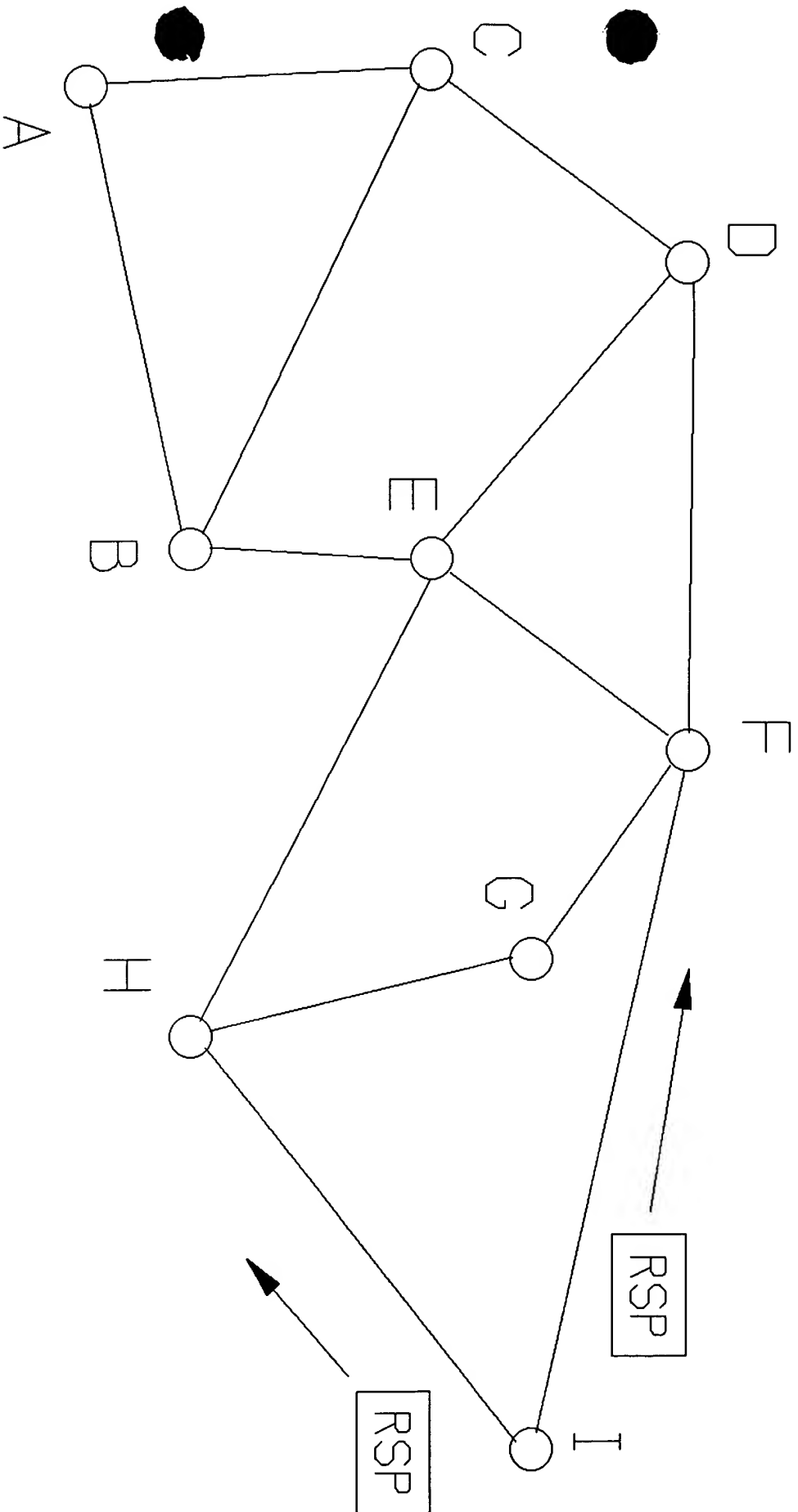


FIG. 1 is a schematic diagram of a system for providing a user with a personalized recommendation based on a user's profile and a user's preferences.

FIG. 5

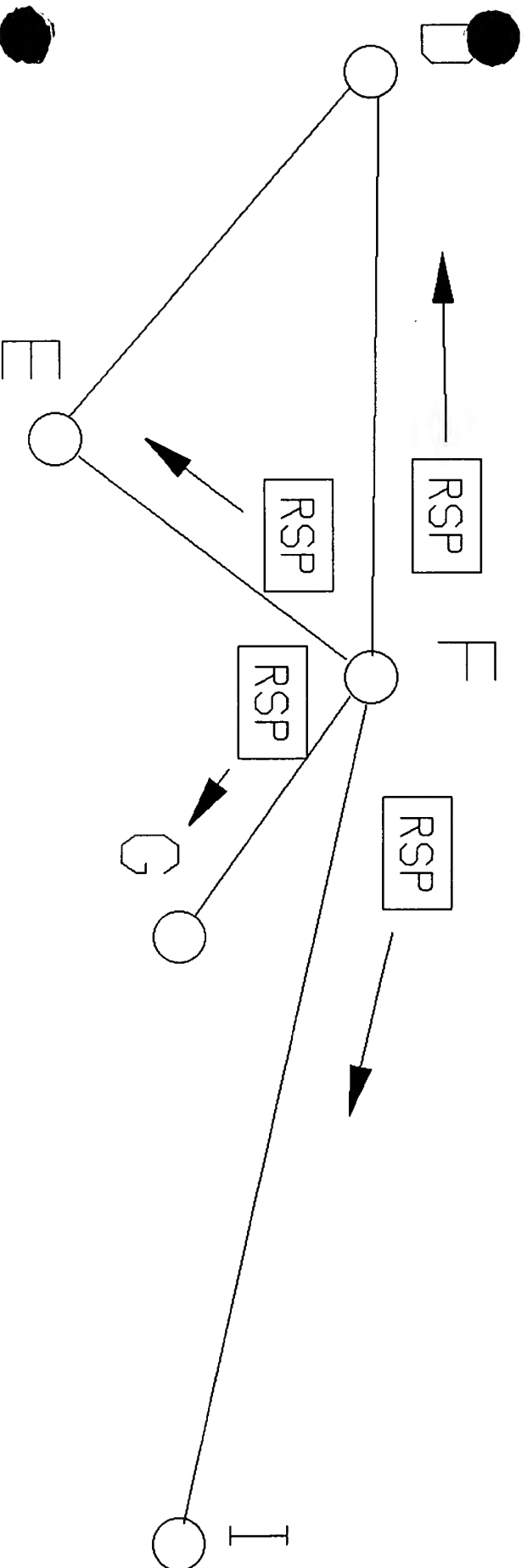


FIG. 6

NUMBER

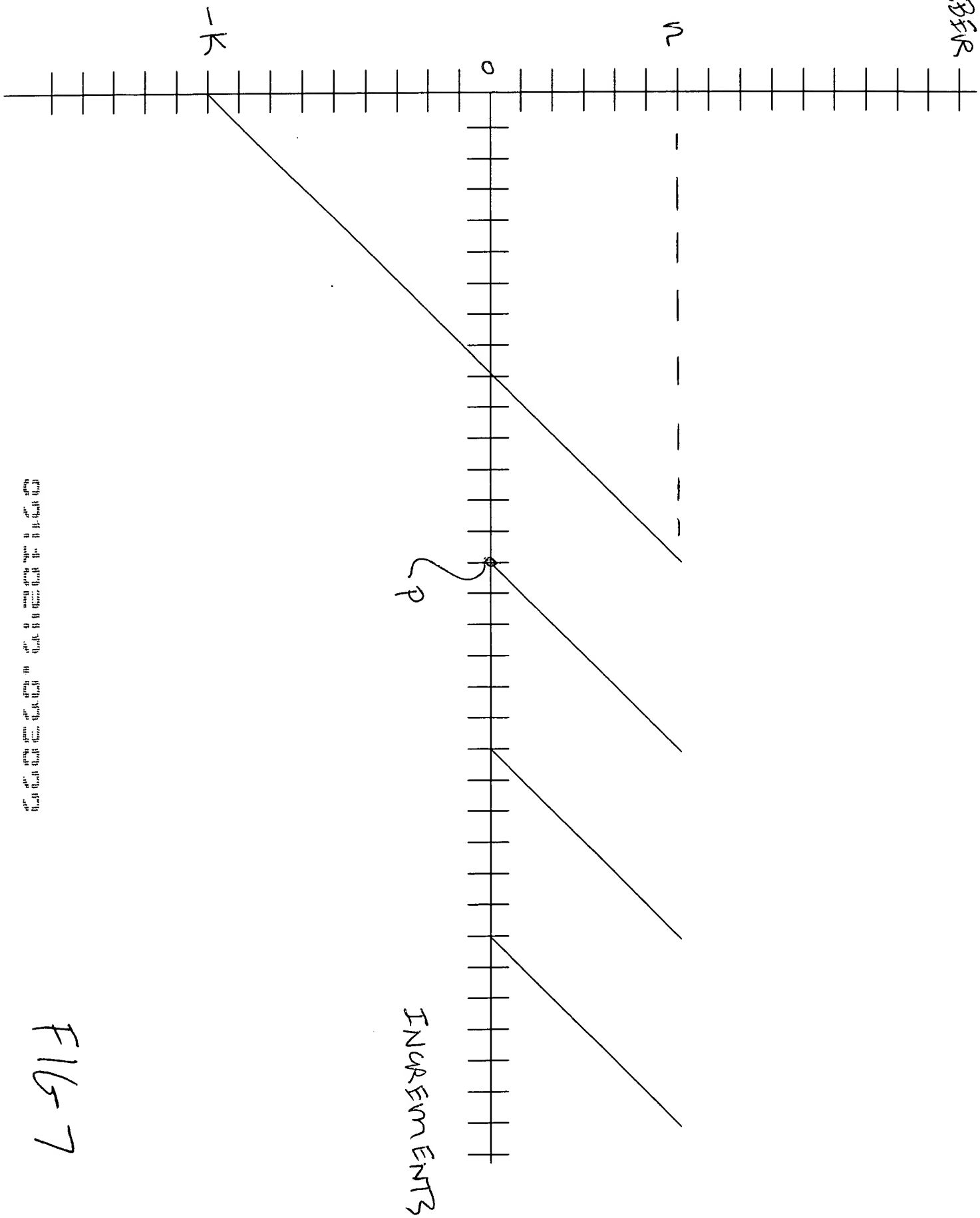


FIG-7

INCOMING RSP	STORED RSP	ACTION TAKEN
AGE >0	0	ACCEPT INCOMING
SEQUENCE No.		
CONTENT		

Fig 8A

INCOMING RSP	STORED RSP	ACTION TAKEN
AGE		DISCARD INCOMING
SEQUENCE No.	SAME	
CONTENT	X DIFF	

Fig 8D

INCOMING RSP	STORED RSP	ACTION TAKEN
AGE		ACCEPT INCOMING
SEQUENCE No.	>X	
CONTENT	X	

Fig 8B

INCOMING RSP	STORED RSP	ACTION TAKEN
AGE 0		ACCEPT INCOMING
SEQUENCE No.	SAME	
CONTENT		

Fig 8E

INCOMING RSP	STORED RSP	ACTION TAKEN
AGE SAME	SAME	DISCARD INCOMING
SEQUENCE No.	SAME	
CONTENT	SAME	

Fig 8C

INCOMING RSP	STORED RSP	ACTION TAKEN
AGE		DISCARD INCOMING. PROPAGATE COPY FROM TABLE.
SEQUENCE No.	NEGATIVE	
CONTENT		

Fig 8F

Fig 8

	INCOMING RSP	STORED RSP	ACTION TAKEN
AGE			ISSUE FRESH RSP
SEQUENCE No.	NEG		
CONTENT			
OTHER	RECIPIENT WAS ORIGINATOR		

File 86

	INCOMING RSP	STORED RSP	ACTION TAKEN
AGE			ISSUE FRESH RSP
SEQUENCE No.	X		
CONTENT			W/ X + 1 AS SEQ No.
OTHER	RECIPIENT WAS ORIGINATOR AND SEQ. NO. OF LAST WAS NEG		

File 84

	INCOMING RSP	STORED RSP	ACTION TAKEN
AGE	0		ISSUE FRESH RSP
SEQUENCE No.			
CONTENT			
OTHER	RECIPIENT WAS ORIGINATOR AND SEQ. NO. OF LAST WAS NEG		

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	INCOMING RSP	STORED RSP	ACTION TAKEN
AGE			
SEQUENCE No.			
CONTENT			
OTHER			

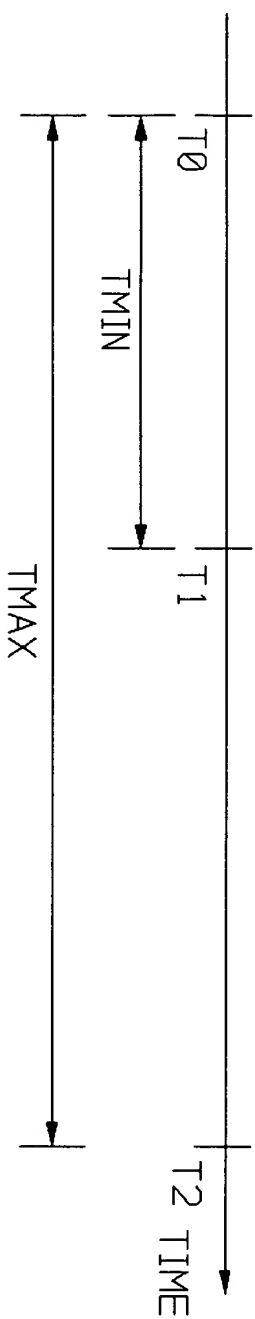
	INCOMING RSP	STORED RSP	ACTION TAKEN
AGE			
SEQUENCE No.			
CONTENT			
OTHER			

	INCOMING RSP	STORED RSP	ACTION TAKEN
AGE			
SEQUENCE No.	NEGATIVE		
CONTENT			
OTHER			

File 84

RSP

GENERATION



1. IF EVENT OCCURS WITHIN TMIN, WAIT UNTIL T1 TO ISSUE RSP, SHIFT T0 TO T1.
2. IF EVENT OCCURS BETWEEN T1 AND T2, ISSUE RSP IMMEDIATELY. SHIFT T0 TO T1.
3. IF NO EVENT OCCURS, ISSUE PERIODIC RSP AT T2.

RSP

GENERATION

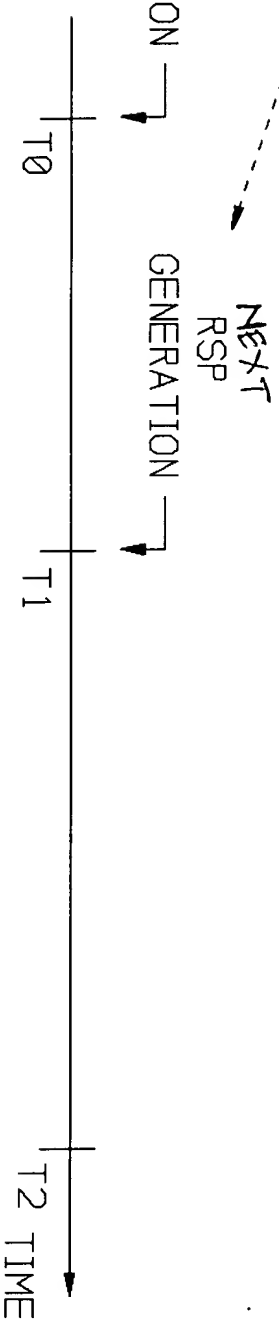
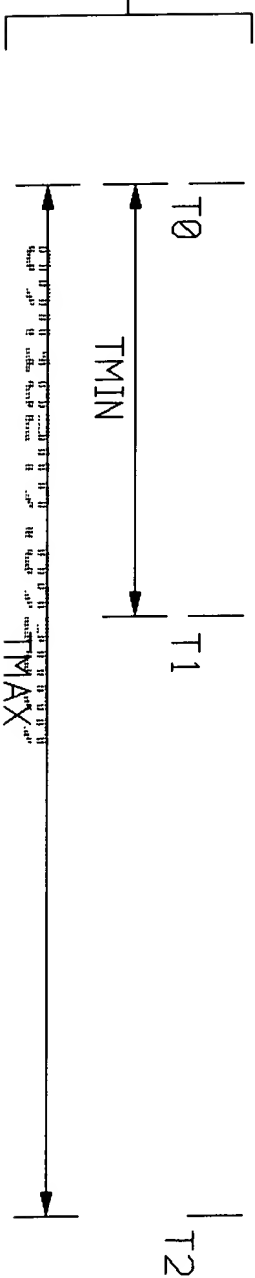


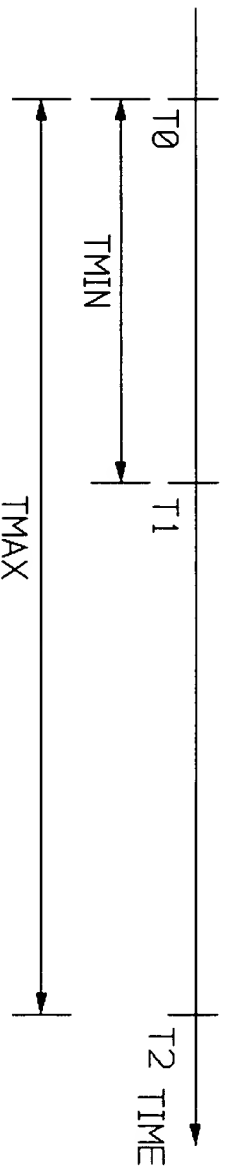
FIG 9

SHIFT



RSP

GENERATION →



1. IF EVENT OCCURS WITHIN T_{MIN} , WAIT UNTIL T_1 TO ISSUE RSP. SHIFT T_0 TO T_1 .

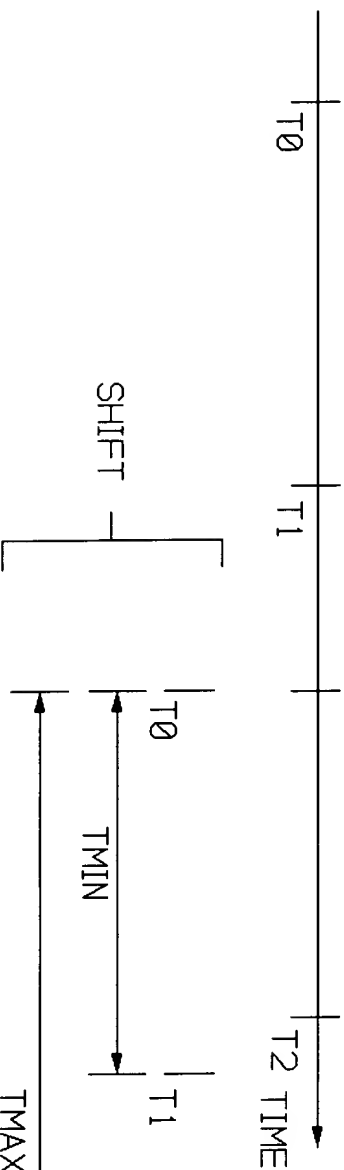
2. IF EVENT OCCURS BETWEEN T_1 AND T_2 , ISSUE RSP IMMEDIATELY. SHIFT T_0 TO EVENT.

3. IF NO EVENT OCCURS, ISSUE PERIODIC RSP AT T_2 .

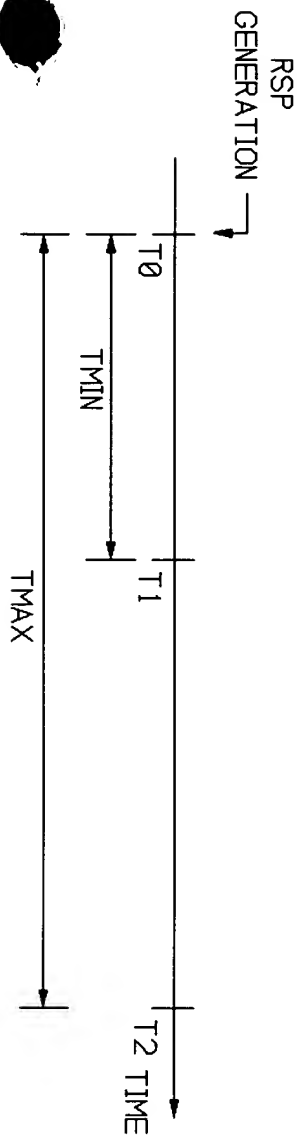
RSP

GENERATION →

Next RSP GENERATION →



File 10



1. IF EVENT OCCURS WITHIN TMIN, WAIT UNTIL T1 TO ISSUE RSP. SHIFT T0 TO T1.
2. IF EVENT OCCURS BETWEEN T1 AND T2, ISSUE RSP IMMEDIATELY. SHIFT T0 TO EVENT.

3. IF NO EVENT OCCURS, ISSUE PERIODIC RSP AT T2.

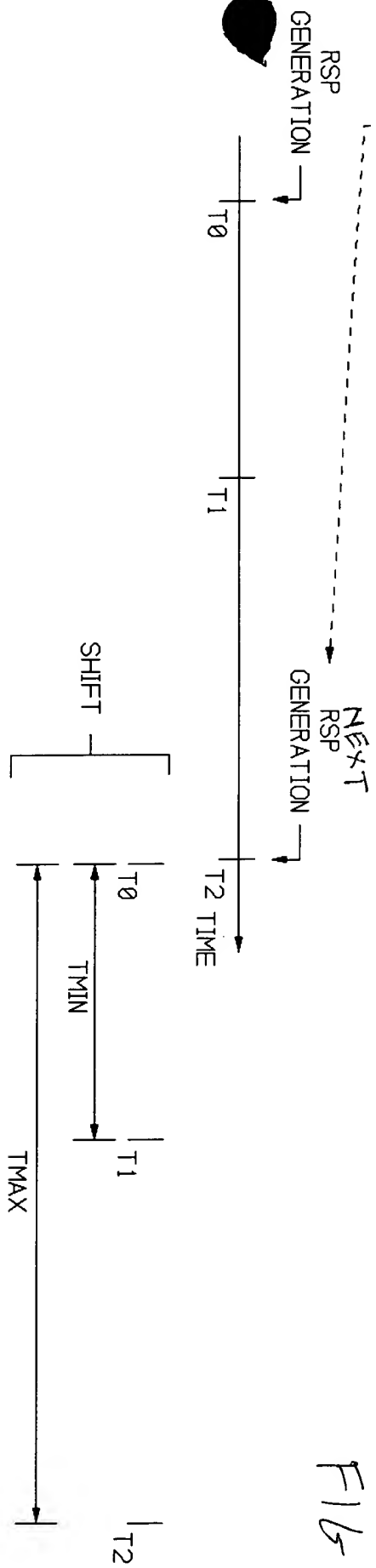


FIG 11